

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

CD NO.

COUNTRY East Germany/DDR

SUBJECT 1. East German Atomic Power Plant at
Neugloboow
2. Soviet Support of East German Atomic
Power Plant ProgramPLACE
ACQUIREDDATE OF
INFO.

DATE DISTR. 15 December 1958

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SUPPLEMENT TO
REPORT NO.

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1. The plant's official designation is VEB Atomkraftwerk I
Neugloboow. "I" stands for Construction Stage I.

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in May 1958, orders were
passed for the second construction stage of the atomic
power plant.

The reactor type was designated **VVA-2**. This is a Soviet
designation.

The following temperatures were reported regarding the
superheated water used at the reactor's steam generators:

head fraction temperature 269.5° Centigrade
tail fraction temperature 247.5° Centigrade

Supplier firms to the atomic power plant are the following:

VEB Bergmann-Borsig, Berlin
VEB Stahlbau Niesky
VEB Isolationsbetrieb Rostock
VEB Rohrleitungs- und Apparatebau Aschersleben
VEB ~~Werkzeugbau~~ Meissen
VEB Wasseraufbereitung Markkleeberg
VEB Rohrleitungsbetrieb Bitterfeld
VEB ITB (Ingenieur-Tiefbau) Brandenburg
VEB Luftung Netschkau
VEB Berlin

2. Waste material will be dumped in special containers at the
so-called burial grounds. Waste materials include
radioactive waste water, radioactive chemicals and
radioactive gases (rare gases) of long half-lives, as well
as contaminated machine parts, tools, etc. Excavated earth

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resulting from levelling work and railroad construction activities was dumped into Wulwitz Lake located east of the plant, filling it up 25 to 30 percent. The railroad line from Rheinsberg to the plant was completed and put into service in late April 1958. Road construction between Gransee and Mens was progressing. Concreting work on this road was completed as far as the bridge crossing the Polcow Canal near Mens. Stasener street leading from this point to the atomic plant was being provided with a one-lane concrete surface in late April 1958.

3. About 60 men were employed at the construction site, including 20 from Entwurfsbuero fuer Industriebau (designing office for industrial building), and 40 from Energie-Projektionen Berlin (EP). The Leningrad GUIAS designing office cooperated in the planning. Dr. Franke of ITB (Ingenieur-Tiefbau-Brandenburg) was supervisor of the building activities during the time under observation.
4. At a meeting with the manager of Energie-Projektierung Berlin, it was learned that the first construction stage would be completed in late 1961. In order to attain this goal, the members of the ~~Atom-Friede~~ were obliged to do regular overtime work. It was furthermore announced that the plant is to serve large-scale experimental work rather than serve economic purposes. On the grounds of the experience gained future atomic power plants will be built. On the other hand, information gained from employees and management indicated that the deadline for completion of the plant has been postponed from 1960 to 1964 in view of the difficulties arising. After his return from Moscow, along with the delegates Flachowsky, Schibilla and Breitenwischer, of VEB Energie-Projektierung Berlin, Schneider² announced that ten more power reactors are to be built in the GDR by 1970.

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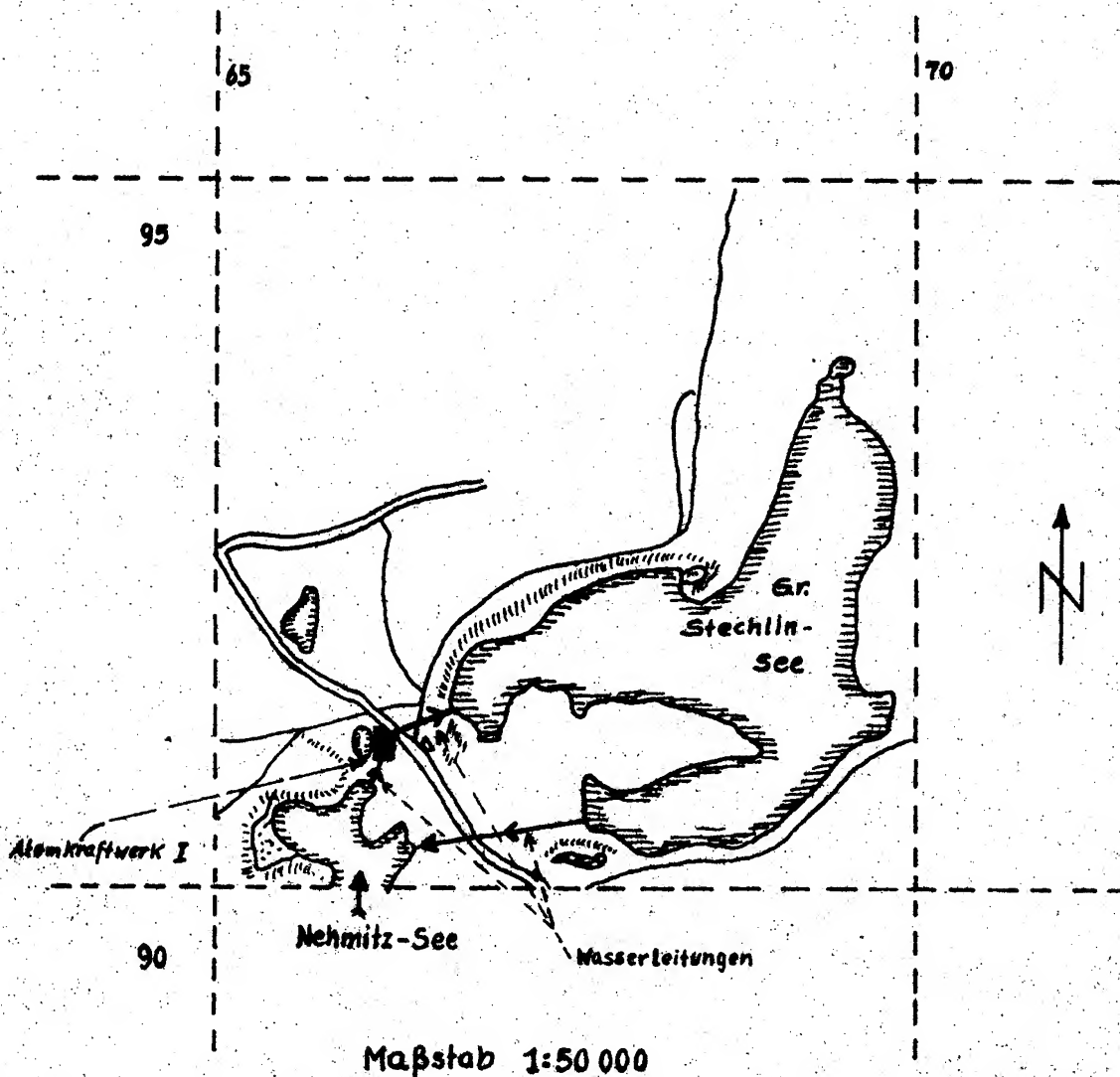
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VEB Atomkraftwerk I



(veränderter Maßstab aus Großblatt 51)
Neuruppin - Rheinsberg

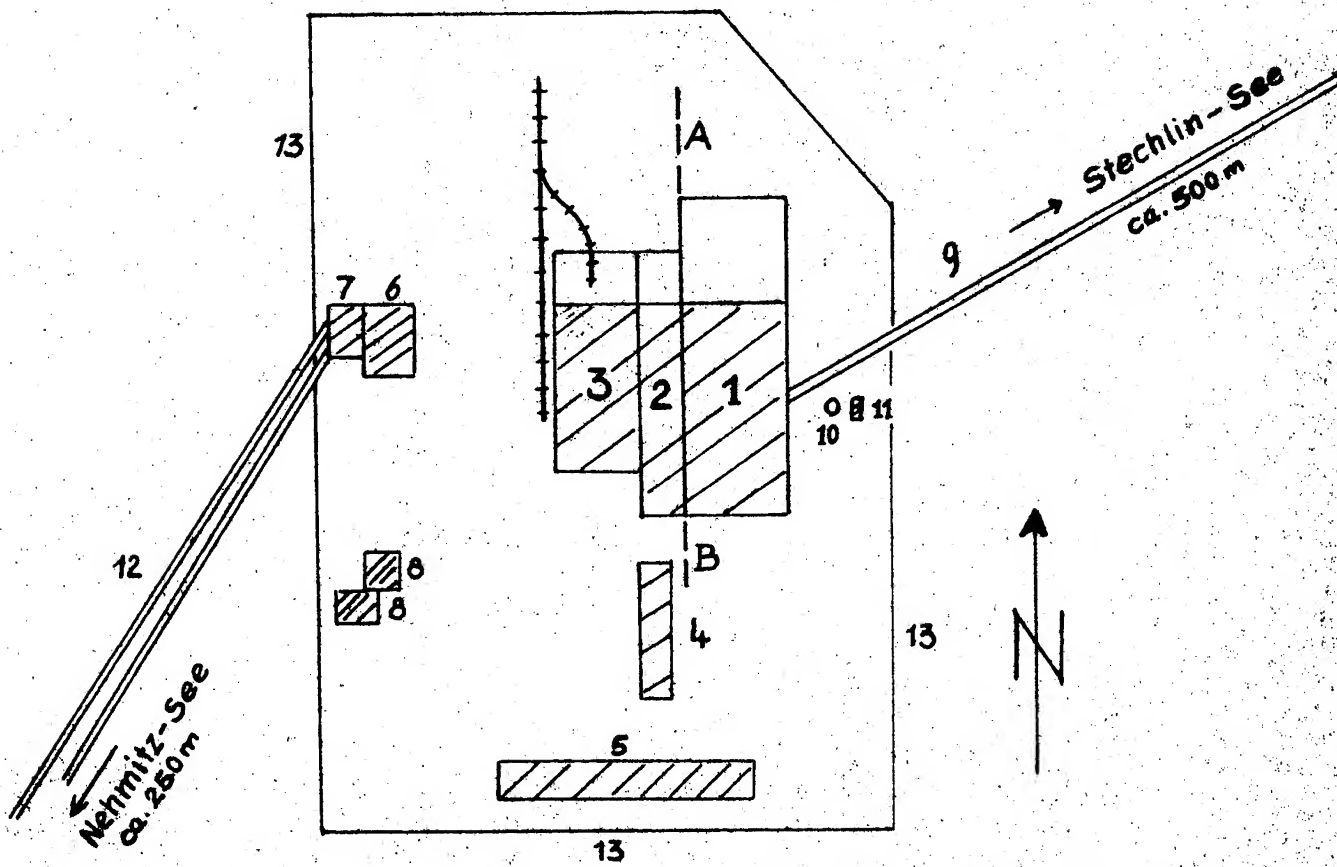
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VEB Atomkraftwerk IMasstab - ca. 1:2000

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- Legend:
- 1 Reactor
 - 2 Electric power plant
 - 3 Engine house
 - 4 Laundry
 - 5 Administration
 - 6 Pumping station
 - 7 Water inlet
 - 8 Water processing plant
 - 9 Water discharge
 - 10 Smokestack
 - 11 Shaft
 - 12 Cooling water pipes

A - B 2-meter surface gradient

Cooling water is taken from Nehmitzsee. Waste water is discharged into Stechlinsee, the water returning to Nehmitzsee along a canal connecting both lakes. Since the volume of water of Stechlinsee is inadequate, it is intended to provide fresh water from Mueritzsee, Koelpinsee and Plauersee to Stechlinsee at a rate of 0.6 cubic meters/sec. Since all these lakes are lacking of water in times of drought, the only solution would be providing water from the Peene River via Malchinersee by pumping it over the watershed.

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